

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051019\
 Data File : VD062225.D
 Acq On : 10 May 2019 20:28
 Operator : FY/SY
 Sample : K2719-05
 Misc : 6.11g/5mL/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS008-0612-01

Quant Time: May 10 23:39:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	492217	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	650884	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.36	117	337336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	89358	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	353154	77.21	ug/l	0.03
Spiked Amount			Recovery	=	154.42%	
35) Dibromofluoromethane	6.93	113	415461	76.93	ug/l	0.04
Spiked Amount			Recovery	=	153.86%	
50) Toluene-d8	10.41	98	597323	45.87	ug/l	0.02
Spiked Amount			Recovery	=	91.74%	
62) 4-Bromofluorobenzene	13.55	95	124076	23.73	ug/l	0.00
Spiked Amount			Recovery	=	47.46%	

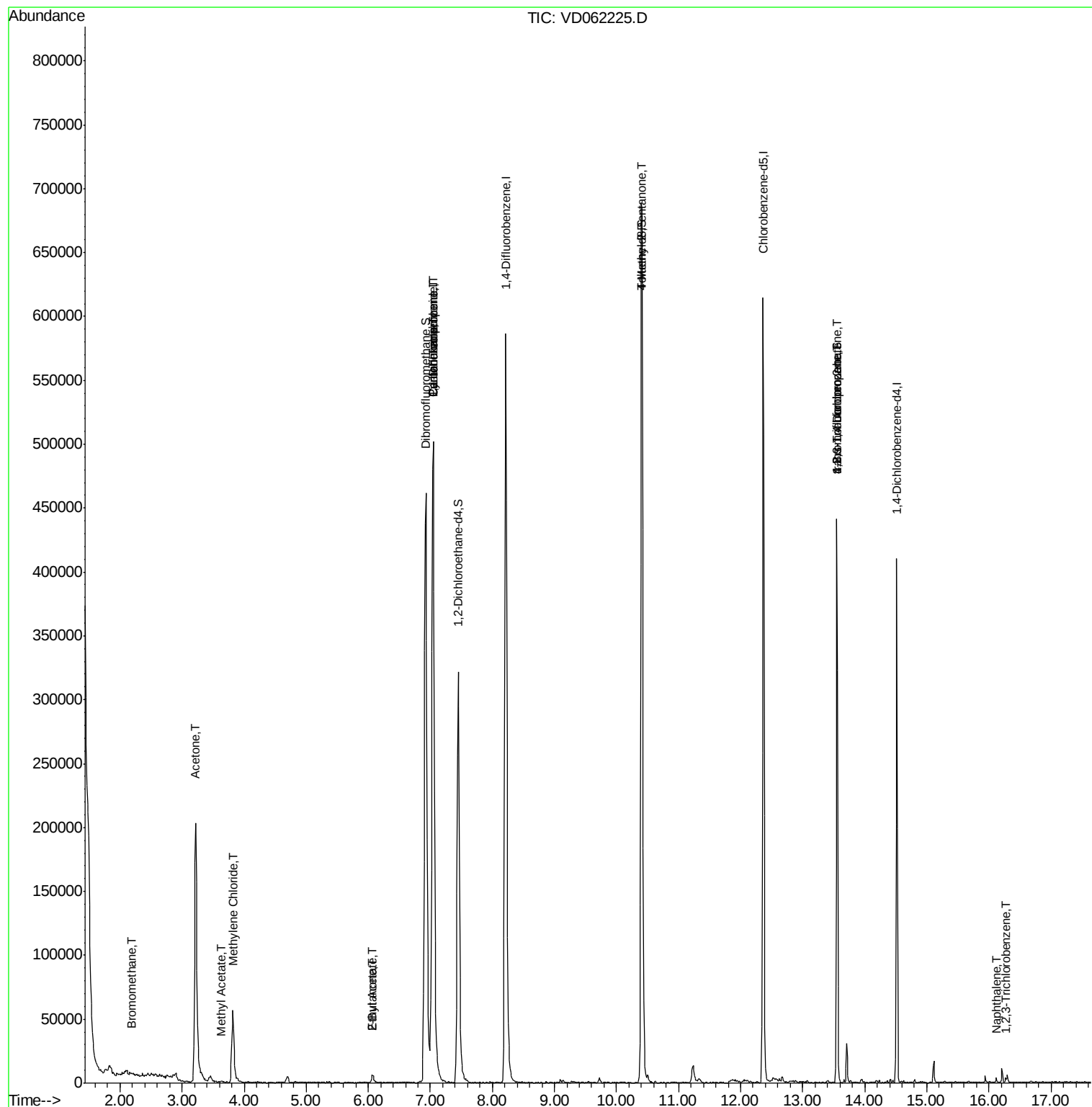
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.18	94	1562	1.994	ug/l #	12
16) Acetone	3.22	43	370328	386.054	ug/l #	86
18) Methyl Acetate	3.62	43	2402	1.103	ug/l #	53
20) Methylene Chloride	3.82	84	36867	9.205	ug/l	95
25) 2-Butanone	6.06	43	12499	11.946	ug/l #	76
31) Cyclohexane	7.05	56	10967	2.285	ug/l #	15
36) 1,1-Dichloropropene	7.04	75	37424	7.013	ug/l #	48
37) Ethyl Acetate	6.06	43	12499	5.523	ug/l #	64
38) Carbon Tetrachloride	7.05	117	50286	6.808	ug/l #	12
51) 4-Methyl-2-Pentanone	10.40	43	3469	1.681	ug/l #	1
76) 1,2,3-Trichloropropane	13.55	75	42897	40.395	ug/l #	42
81) trans-1,4-Dichloro-2-buten	13.55	75	54772	182.699	ug/l #	16
95) Naphthalene	16.12	128	2771	1.209	ug/l #	84
96) 1,2,3-Trichlorobenzene	16.27	180	1293	1.252	ug/l	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.03 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

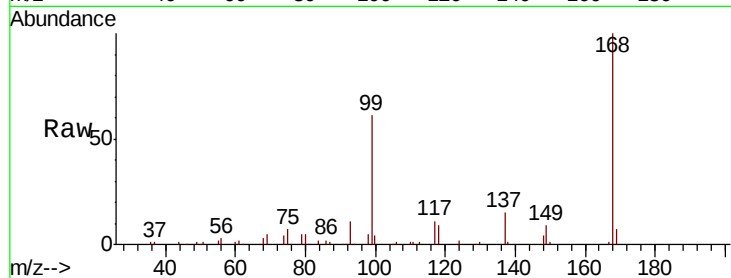
P026-SS008-0612-01

Tot Ion:168 Resp: 492217

Ion Ratio Lower Upper

168 100

99 61.0 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

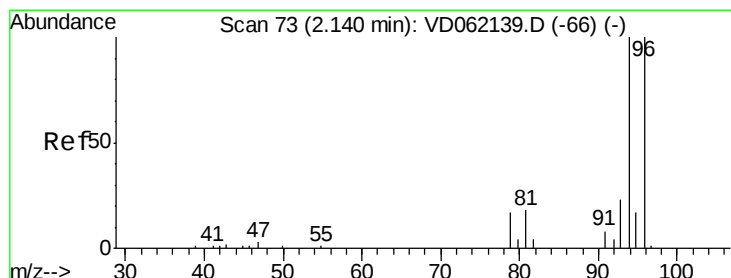
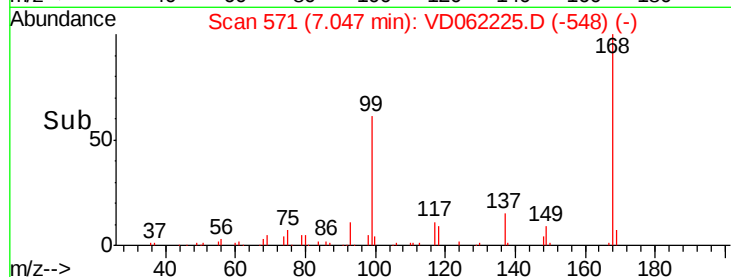
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 1.994 ug/l

RT: 2.18 min Scan# 76

Delta R.T. 0.04 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

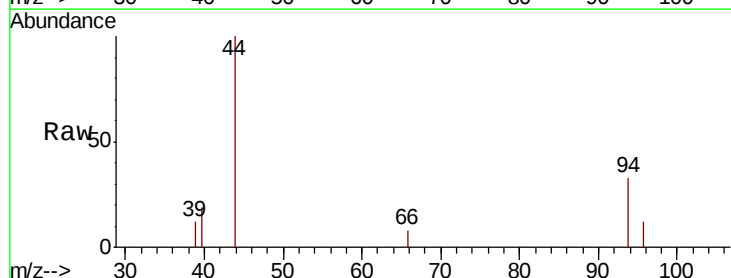
Tgt Ion: 94 Resp: 1562

Ion Ratio Lower Upper

94 100

96 0.0 76.6 115.0#

93 0.0 18.5 27.7#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

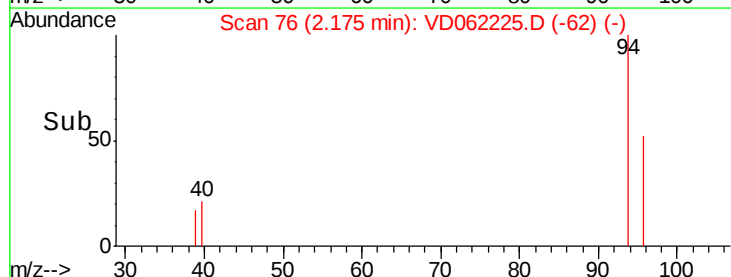
1500

1000

500

0

Time-->





#16

Acetone

Concen: 386.054 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.03 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

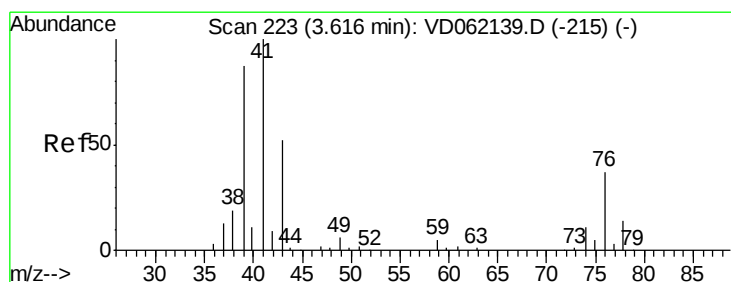
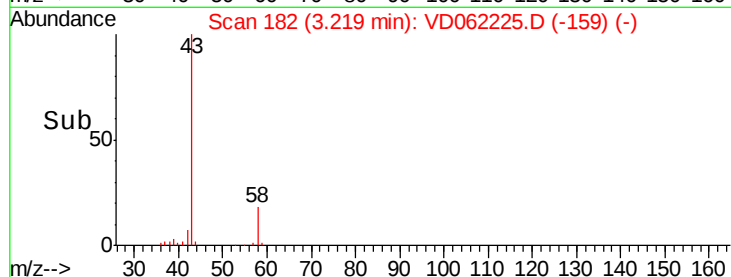
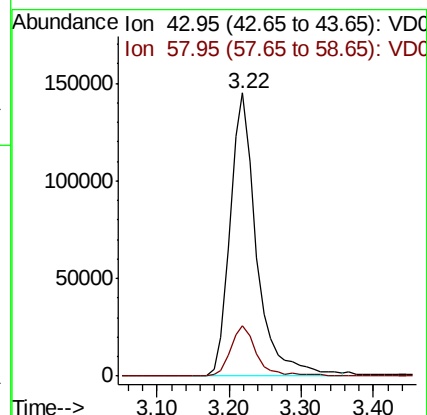
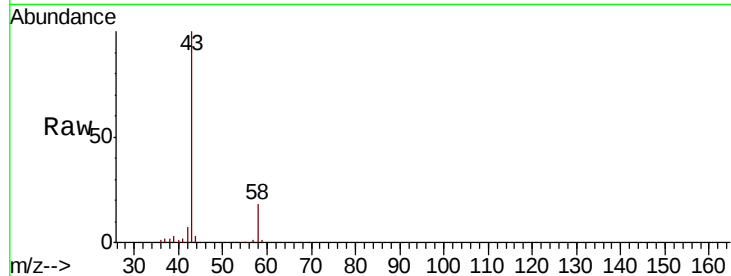
P026-SS008-0612-01

Tot Ion: 43 Resp: 370328

Ion Ratio Lower Upper

43 100

58 17.7 19.9 29.9#



#18

Methyl Acetate

Concen: 1.103 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.01 min

Lab File: VD062225.D

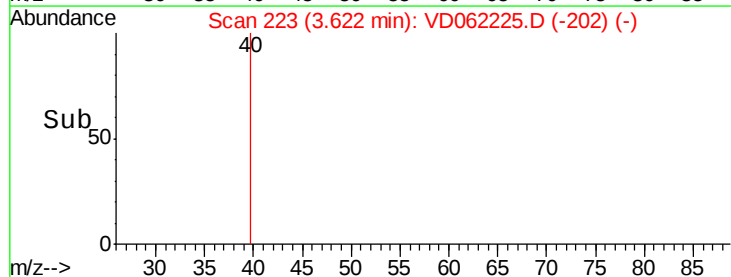
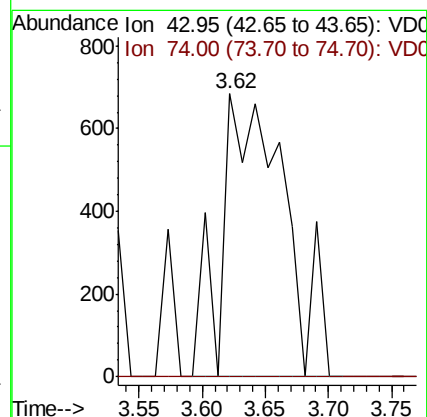
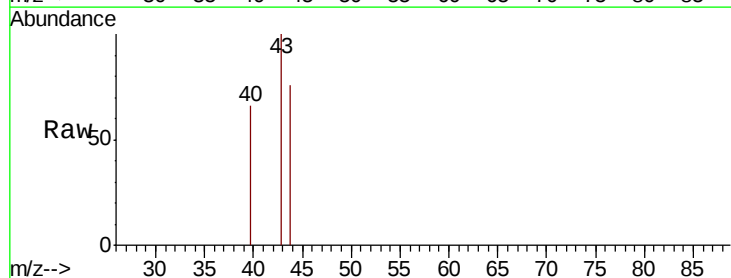
Acq: 10 May 2019 20:28

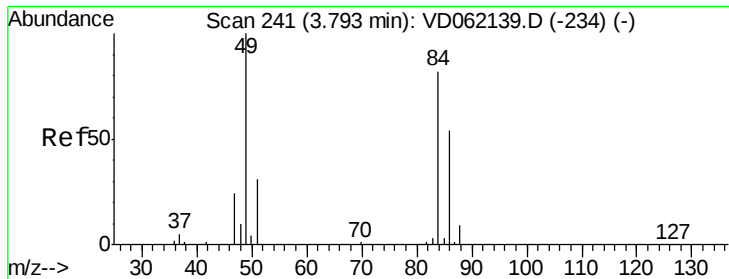
Tgt Ion: 43 Resp: 2402

Ion Ratio Lower Upper

43 100

74 0.0 18.0 27.0#



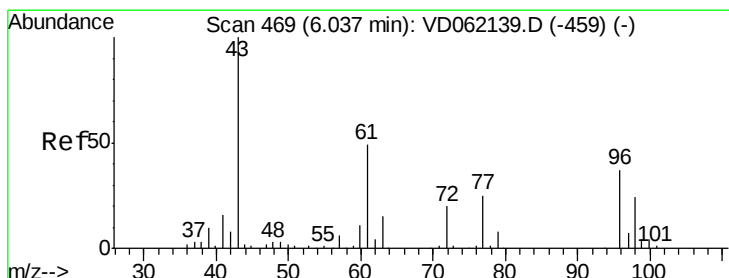
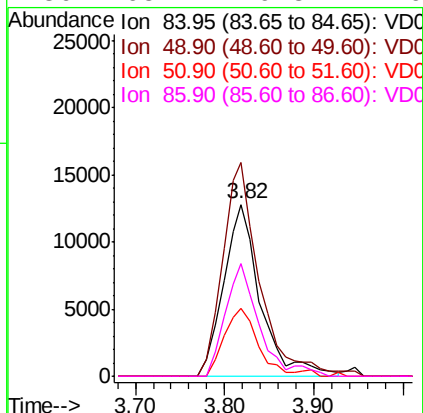
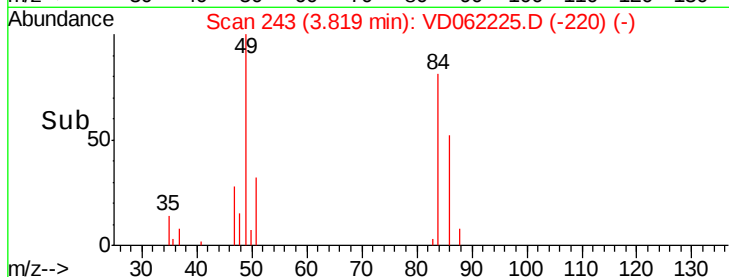
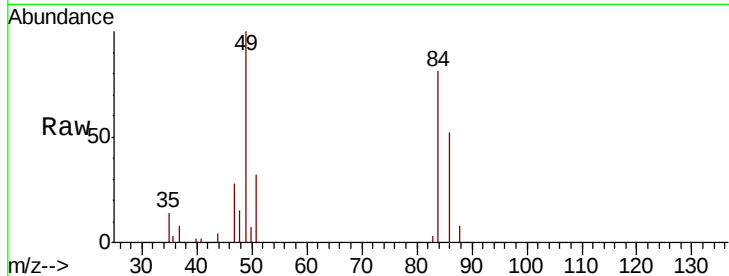


#20
Methvlene Chloride
Concen: 9.205 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.03 min
Lab File: VD062225.D
Acq: 10 May 2019 20:28

Instrument :
MSVOA_D
ClientSampleId :
P026-SS008-0612-01

Tot Ion: 84 Resp: 36867

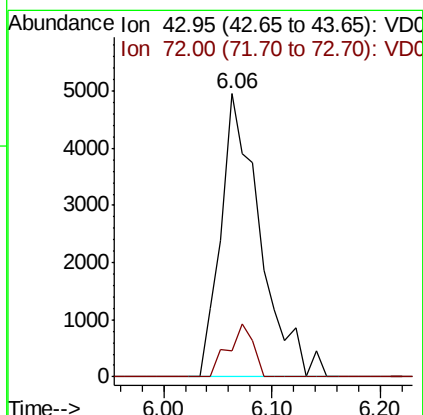
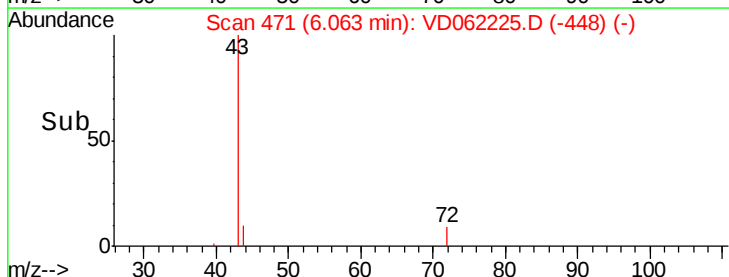
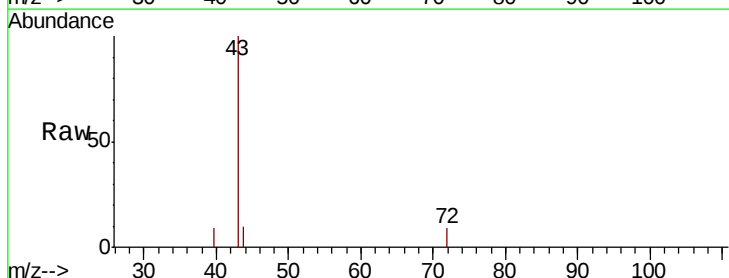
Ion	Ratio	Lower	Upper
84	100		
49	124.2	94.0	141.0
51	39.2	29.0	43.4
86	65.2	49.8	74.6

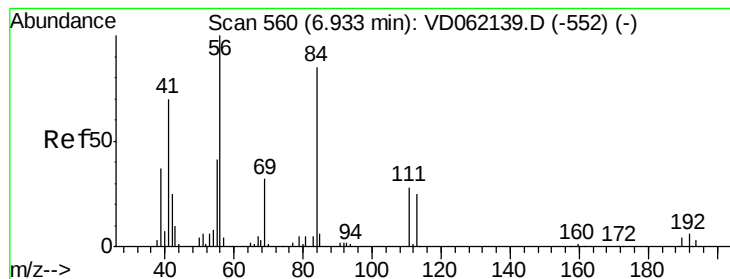


#25
2-Butanone
Concen: 11.946 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD062225.D
Acq: 10 May 2019 20:28

Tgt Ion: 43 Resp: 12499

Ion	Ratio	Lower	Upper
43	100		
72	9.1	16.2	24.4#





#31

Cyclohexane

Concen: 2.285 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

P026-SS008-0612-01

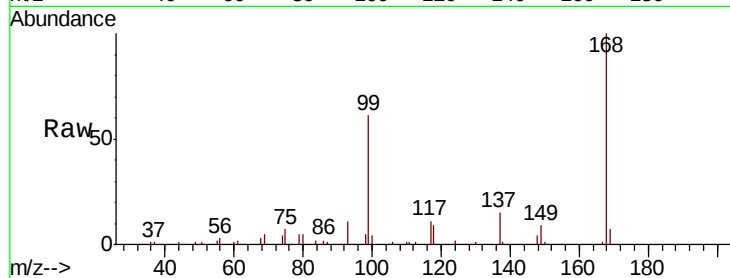
Tot Ion: 56 Resp: 10967

Ion Ratio Lower Upper

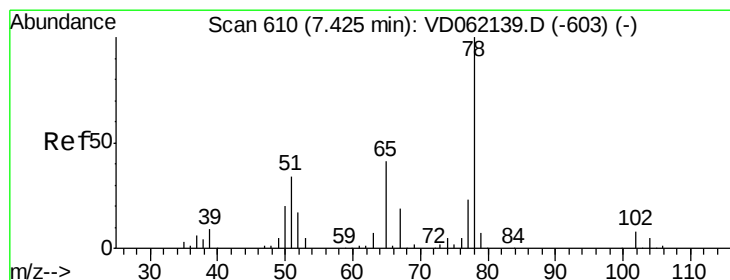
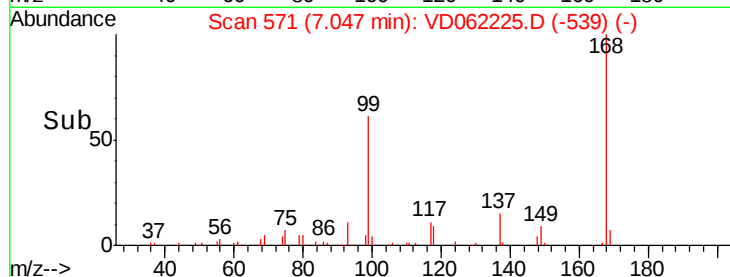
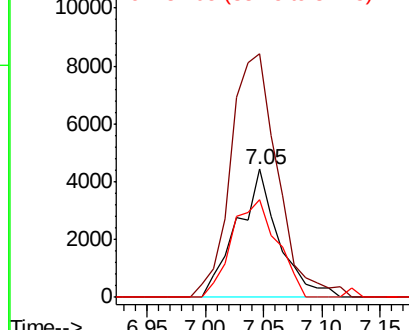
56 100

69 189.7 25.8 38.6#

84 76.1 72.2 108.4



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#33

1,2-Dichloroethane-d4

Concen: 77.205 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.03 min

Lab File: VD062225.D

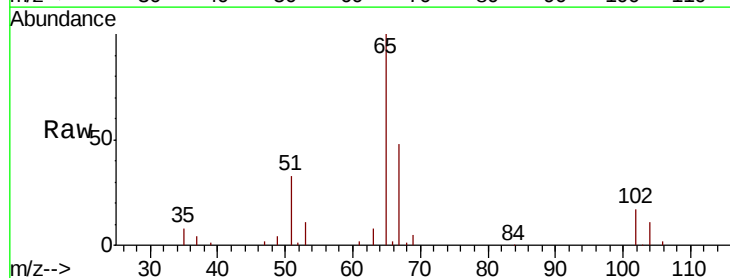
Acq: 10 May 2019 20:28

Tgt Ion: 65 Resp: 353154

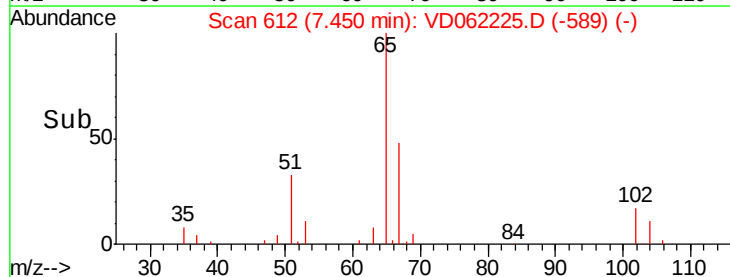
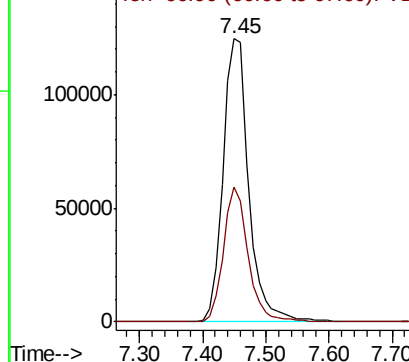
Ion Ratio Lower Upper

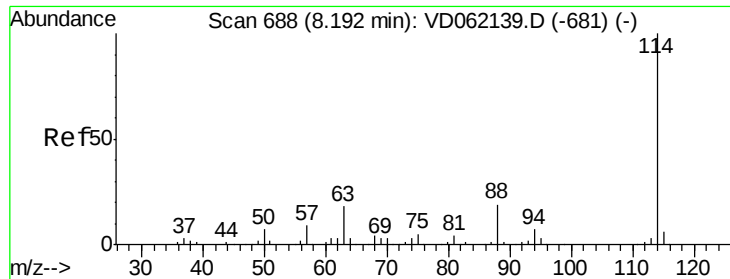
65 100

67 47.9 0.0 98.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

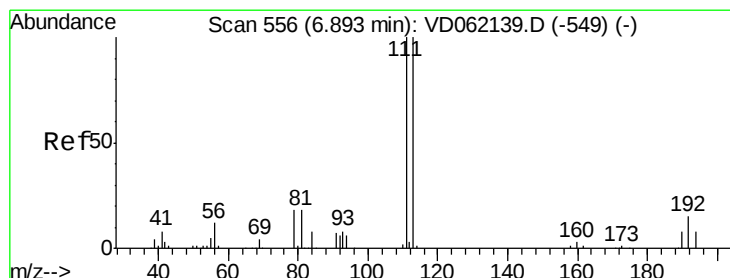
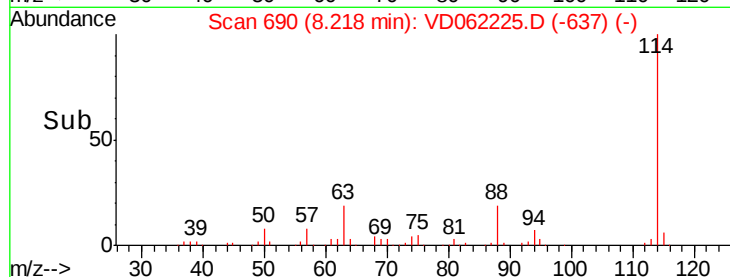
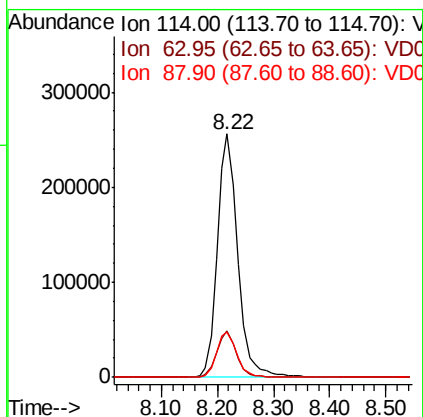
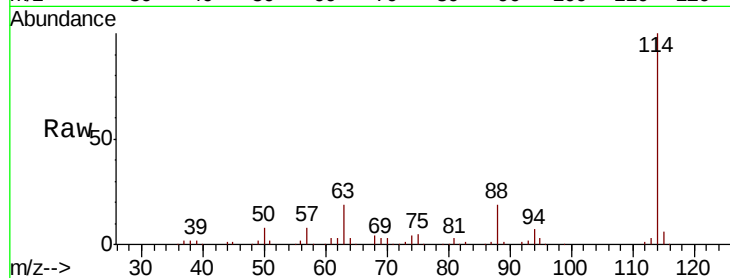




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.03 min
 Lab File: VD062225.D
 Acq: 10 May 2019 20:28

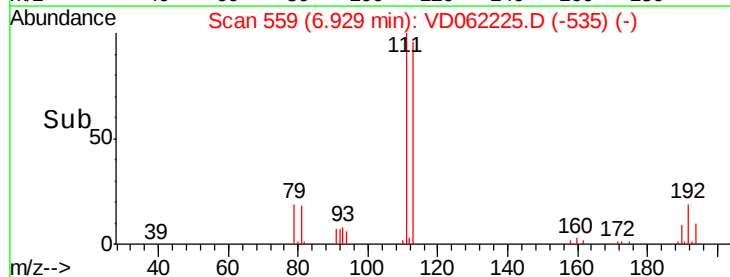
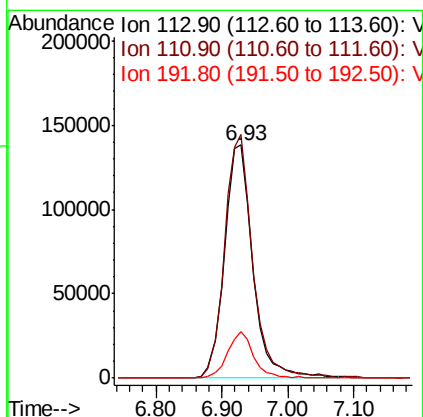
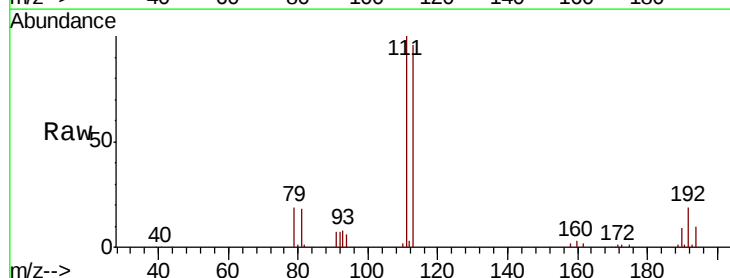
Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS008-0612-01

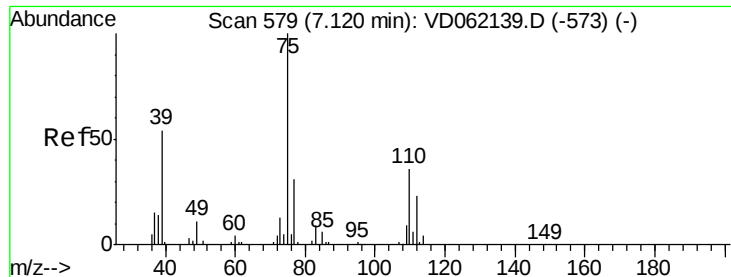
Tot Ion:114 Resp: 650884
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 32.4
 88 18.6 0.0 33.6



#35
 Dibromofluoromethane
 Concen: 76.931 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. 0.04 min
 Lab File: VD062225.D
 Acq: 10 May 2019 20:28

Tgt Ion:113 Resp: 415461
 Ion Ratio Lower Upper
 113 100
 111 104.5 78.5 117.7
 192 20.0 13.0 19.4#





#36

1,1-Dichloropropene

Concen: 7.013 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.08 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

P026-SS008-0612-01

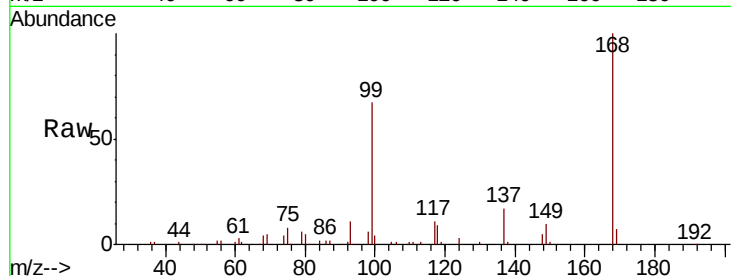
Tot Ion: 75 Resp: 37424

Ion Ratio Lower Upper

75 100

110 9.1 19.1 57.1#

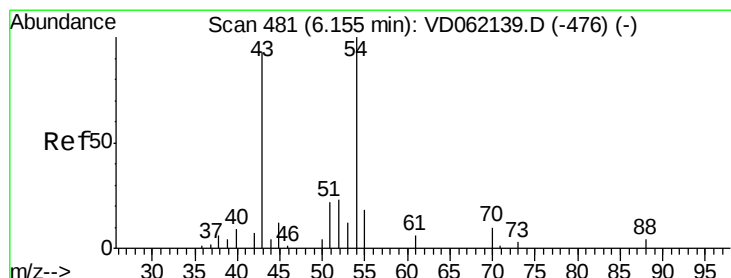
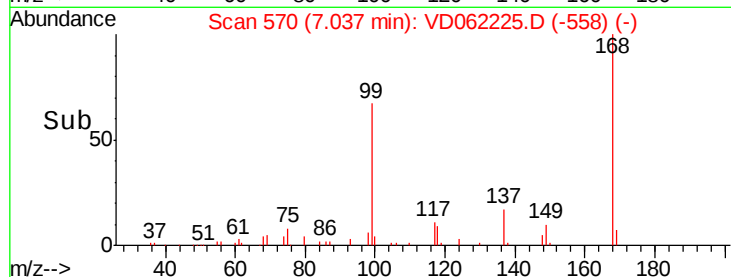
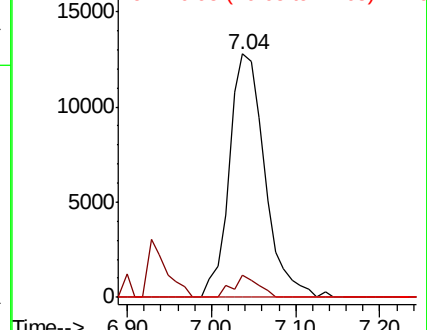
77 0.0 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 5.523 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.09 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

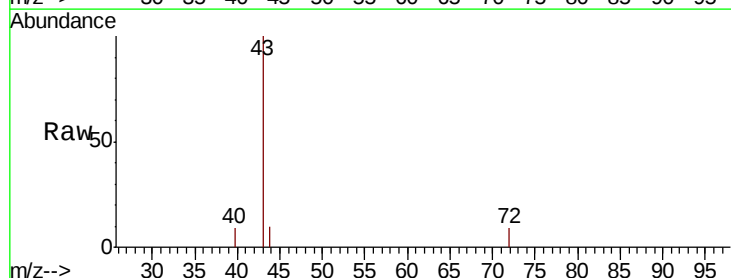
Tgt Ion: 43 Resp: 12499

Ion Ratio Lower Upper

43 100

61 0.0 14.7 22.1#

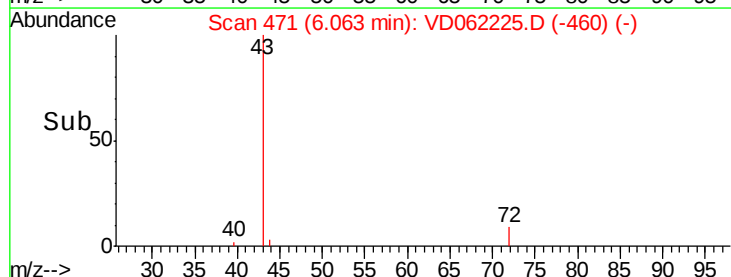
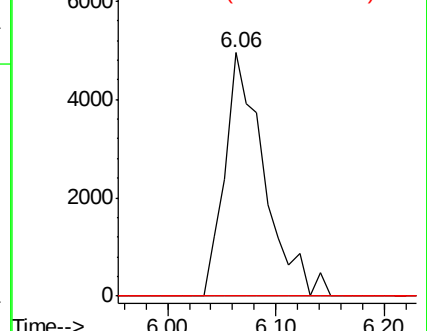
70 0.0 7.8 11.6#

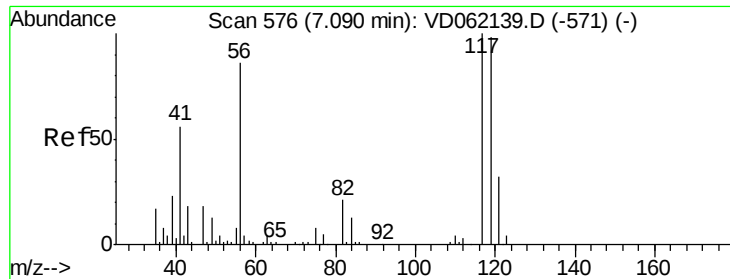


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

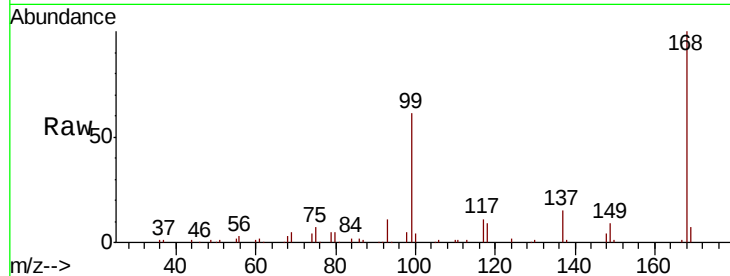




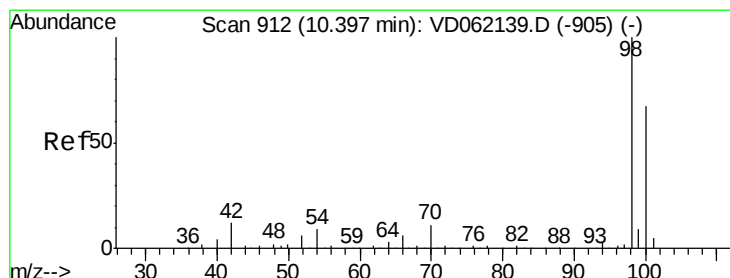
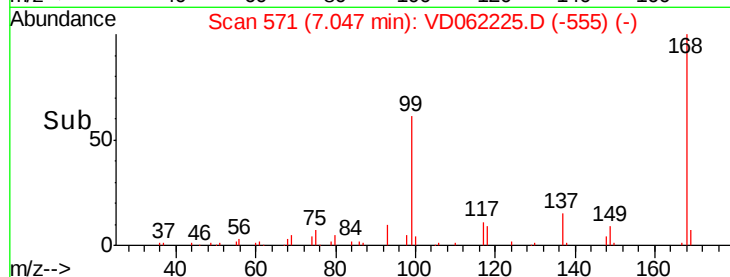
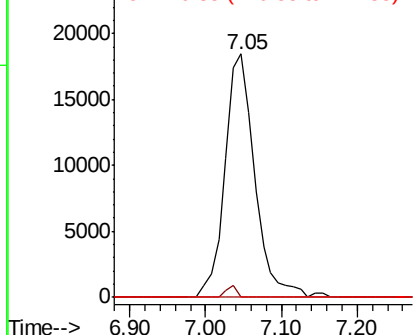
#38
Carbon Tetrachloride
Concen: 6.808 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD062225.D
Acq: 10 May 2019 20:28

Instrument :
MSVOA_D
ClientSampleId :
P026-SS008-0612-01

Tot Ion:117 Resp: 50286
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#
121 0.0 25.9 38.9#

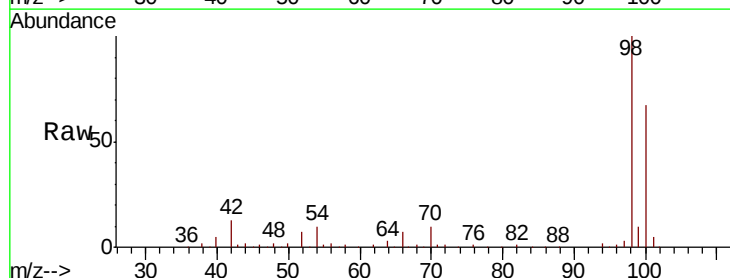


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

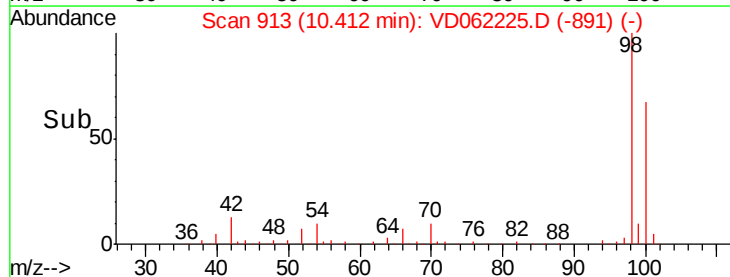
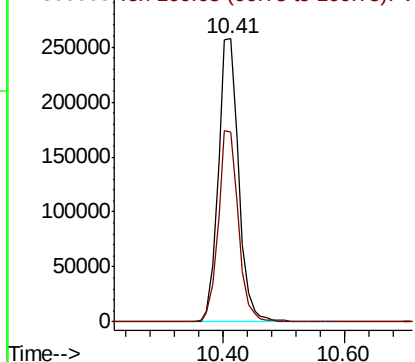


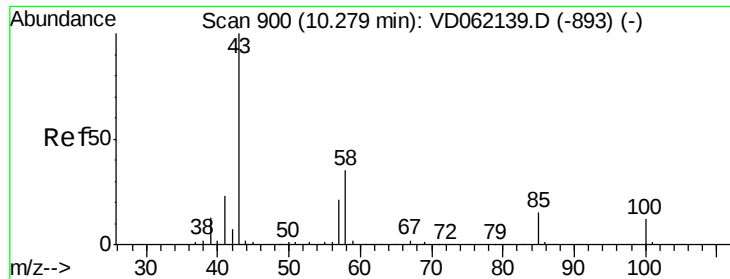
#50
Toluene-d8
Concen: 45.874 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD062225.D
Acq: 10 May 2019 20:28

Tgt Ion: 98 Resp: 597323
Ion Ratio Lower Upper
98 100
100 67.0 53.8 80.8



Abundance Ion 98.05 (97.75 to 98.75): V
Ion 100.05 (99.75 to 100.75): V





#51

4-Methyl-2-Pentanone

Concen: 1.681 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.12 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

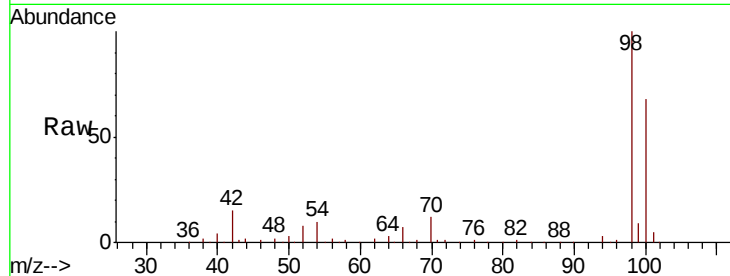
P026-SS008-0612-01

Tot Ion: 43 Resp: 3469

Ion Ratio Lower Upper

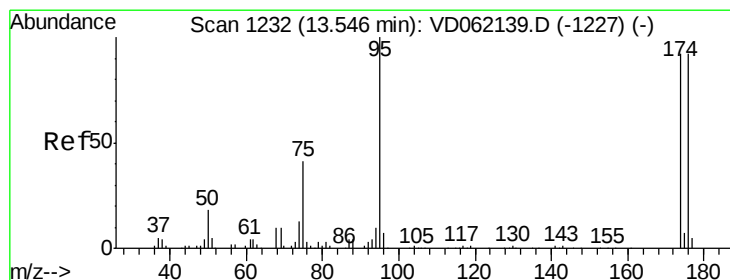
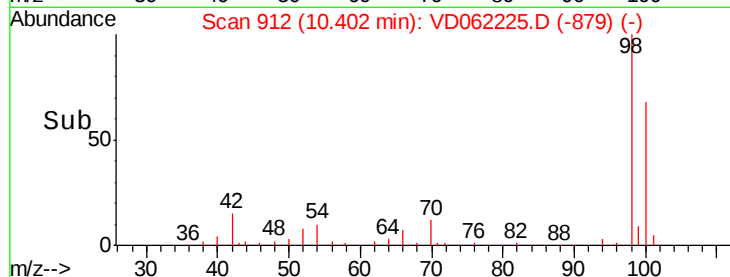
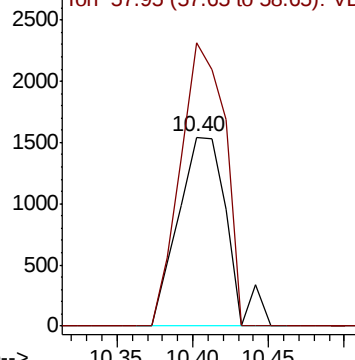
43 100

58 149.7 30.4 45.6#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 23.730 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

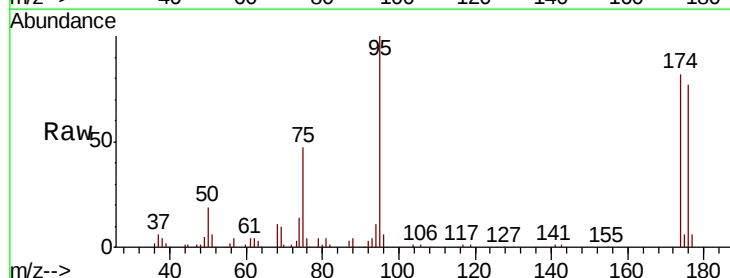
Tgt Ion: 95 Resp: 124076

Ion Ratio Lower Upper

95 100

174 82.3 0.0 181.8

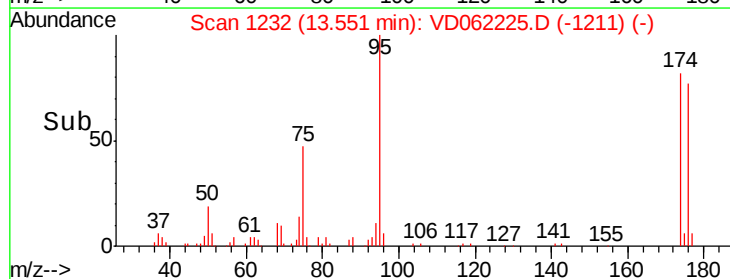
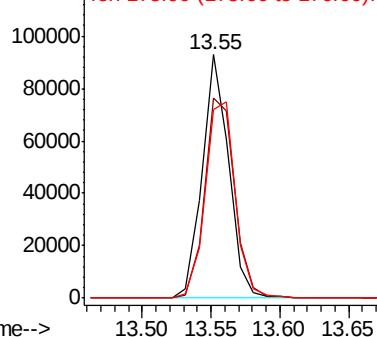
176 77.2 0.0 174.4

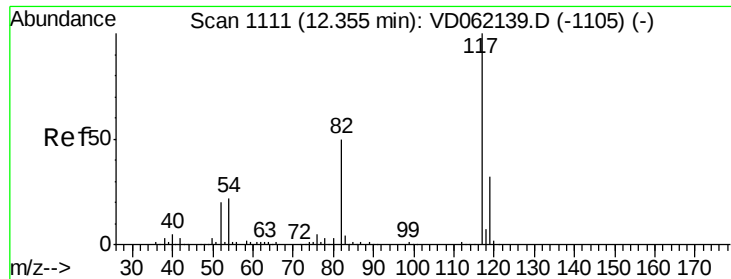


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

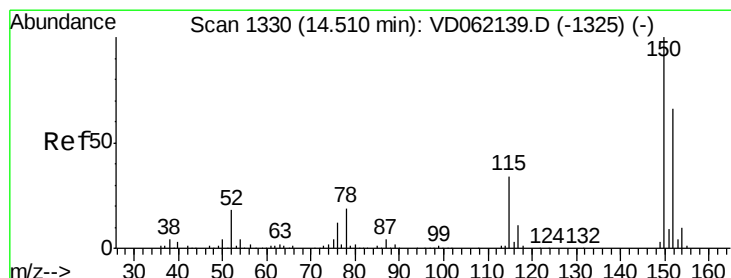
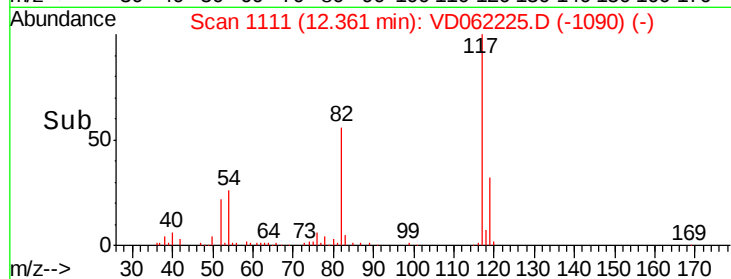
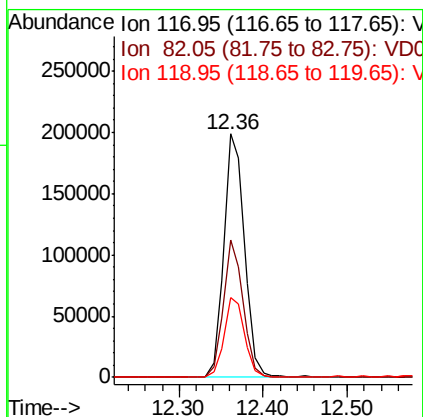
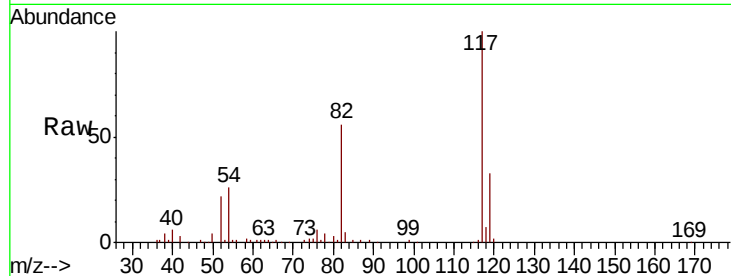




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062225.D
Acq: 10 May 2019 20:28

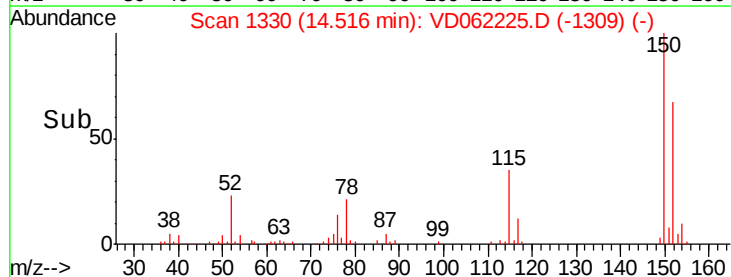
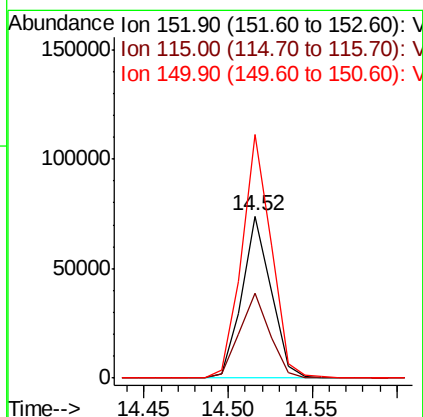
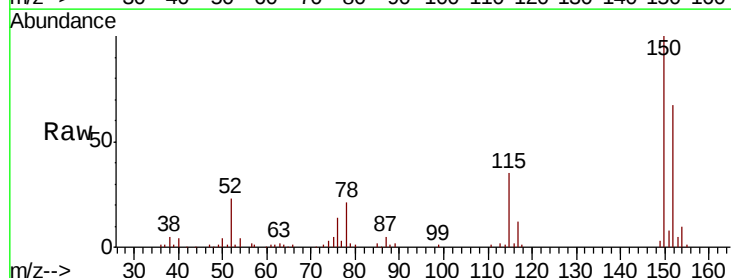
Instrument :
MSVOA_D
ClientSampleId :
P026-SS008-0612-01

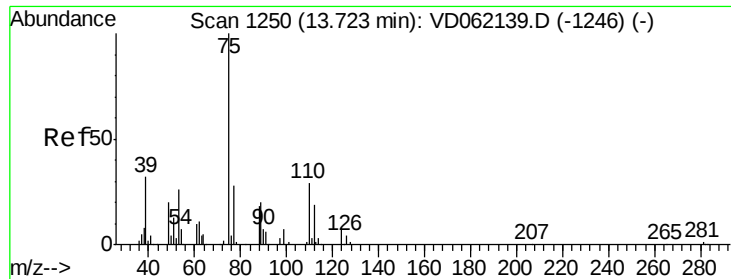
Tot Ion:117 Resp: 337336
Ion Ratio Lower Upper
117 100
82 56.4 36.2 54.2#
119 32.7 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD062225.D
Acq: 10 May 2019 20:28

Tgt Ion:152 Resp: 89358
Ion Ratio Lower Upper
152 100
115 52.5 30.9 92.7
150 150.2 0.0 314.8





#76

1,2,3-Trichloropropane

Concen: 40.395 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.17 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

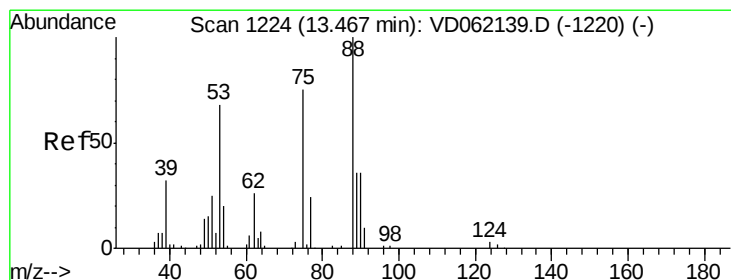
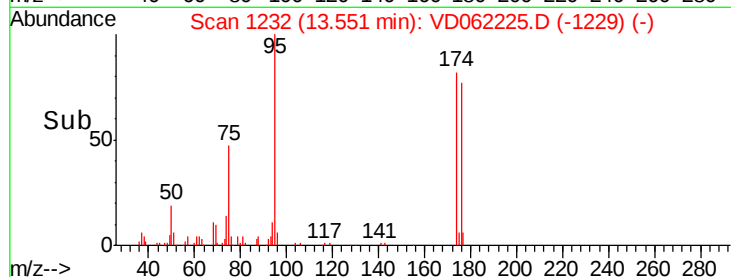
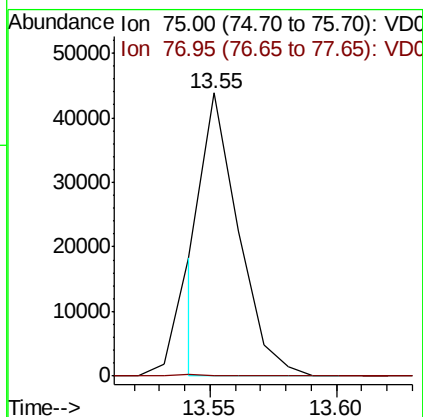
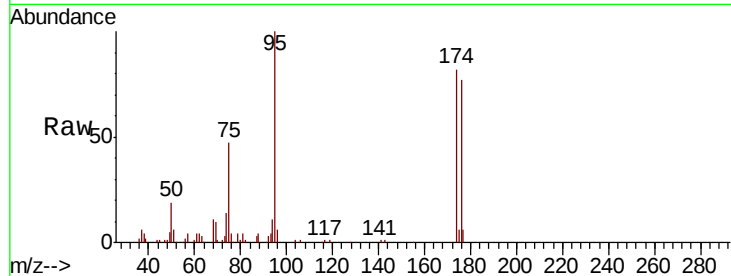
P026-SS008-0612-01

Tot Ion: 75 Resp: 42897

Ion Ratio Lower Upper

75 100

77 0.0 16.4 49.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 182.699 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

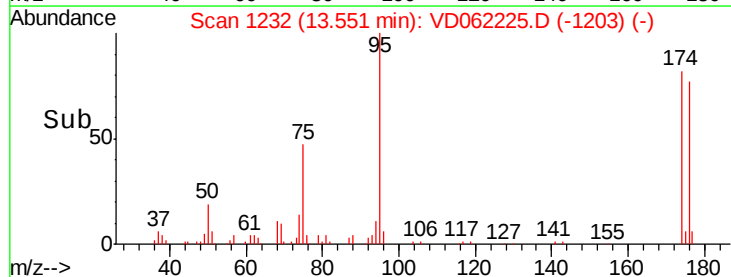
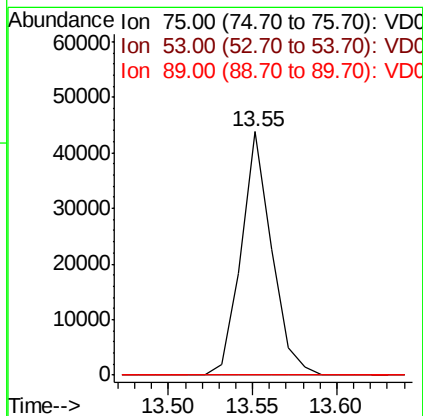
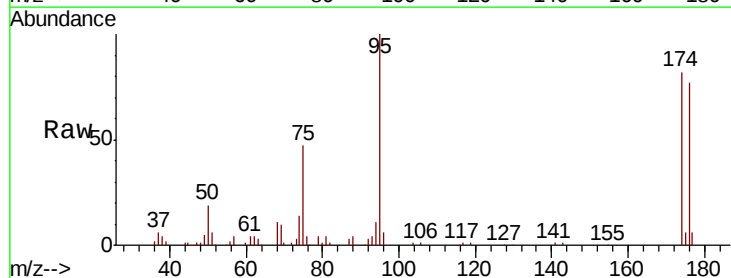
Tgt Ion: 75 Resp: 54772

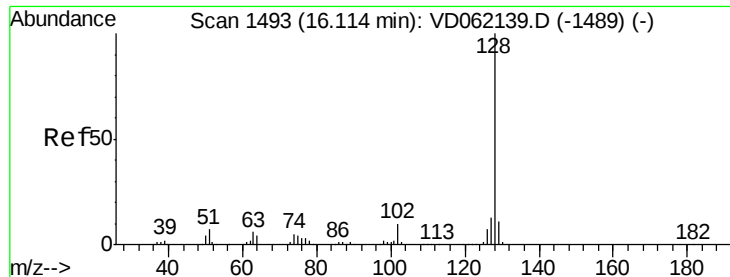
Ion Ratio Lower Upper

75 100

53 0.0 65.8 98.8#

89 0.0 35.0 52.6#





#95

Naphthalene

Concen: 1.209 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

Instrument :

MSVOA_D

ClientSampleId :

P026-SS008-0612-01

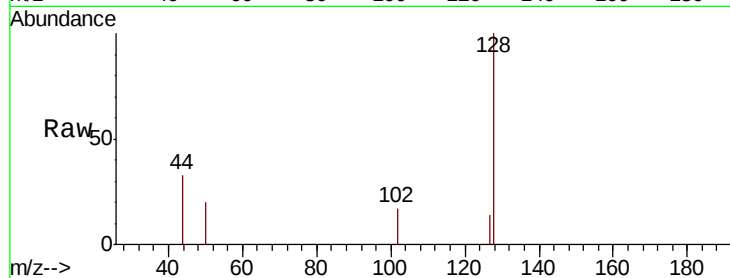
Tot Ion:128 Resp: 2771

Ion Ratio Lower Upper

128 100

127 13.7 9.8 14.8

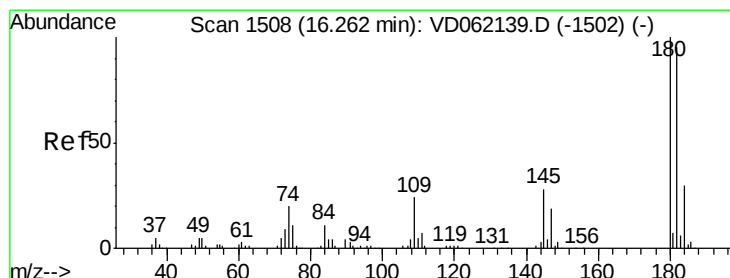
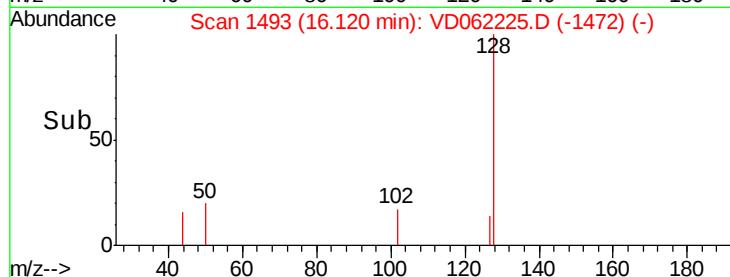
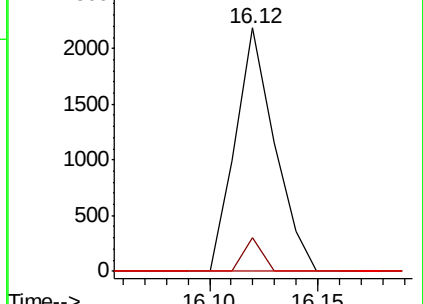
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.252 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD062225.D

Acq: 10 May 2019 20:28

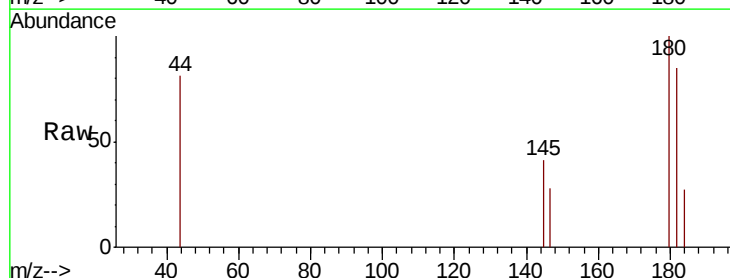
Tgt Ion:180 Resp: 1293

Ion Ratio Lower Upper

180 100

182 84.8 47.0 141.0

145 41.5 17.0 51.0



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

